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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Paul L. DeAngelis

Serial No.: 09/842,484

Filed:

04/25/2001

For: CHONDROITIN SYNTHASE GENE AND

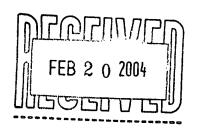
METHODS OF MAKING AND USING

SAME

Mail Stop Fee Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450) Art Unit: 1632

Examiner: M. Henry

) Atty. Dkt. No. 4605.003



INFORMATION DISCLOSURE STATEMENT

List of Sections Forming Part of This Information Disclosure Statement

The following sections are being submitted for this Information Disclosure Statement:

- 1. [X] Preliminary Statements
- 2. [X] Form Substitute for 1449A/PTO
- 3. [X] Statement as to Information Not Found in Patents or Publications
- 4. [] Identification of Prior Application in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted
- 5. [] Cumulative Patents or Publications
- 6. [X] Copies of Listed Information Items Accompanying this Statement

- 7. [] Concise Explanation of Non-English Language Listed Information Items
 - 7A. [] EPO Search Report
 - 7B. [] English Language Version
- 8. [] Translation(s) of Non-English Language Documents
- 9. [] Concise Explanation of English Language Listed Information Items (Optional)
- 10. [X] Identification of Person(s) Making this Information Disclosure Statement

Section 1. Preliminary Statements

Applicants submit herewith patents, publications or other information of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. § 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

Section 2. Form Substitute for 1449A/PTO

[X] A completed Form Substitute for 1449A/PTO is attached hereto.

Section 3. Statement as to Information Not Found in Patents or Publications (Information Not Listed in Substitute for 1449A/PTO)

The present invention relates to a chondroitin synthase gene and methods of making and using same. In more particular, but not by way of limitation, the present invention relates to a chondroitin synthase gene from *Pasteurella*

multocida and methods of isolating and using same. Additionally, the present invention relates to the use of unsulfated chondroitin and its preparation, as well as conversion into modified versions such as dermatan sulfate and chondroitin sulfate polymers.

Section 4. Identification of Prior Application in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted					
This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application Serial No, filed on (date).					
(complete the following, if applicable)					
[] This application also relies, under 35 U.S.C. 120, on the earlier filing date of prior application Serial No, filed on (date).					
The following references were submitted to, and/or cited by, the Office in the prior application(s) and therefore, are not required to be provided in this application:					
Section 5. Cumulative Patents or Publications					
STATEMENT					
Form SB08A: is cumulative of the following patents or publications listed on					
In accordance with 37 C.F.R. § 1.98(c), a copy of only is being submitted with this Information Disclosure Statement.					

Section 6. Copies of Listed Information Items Accompanying this Statement

Legible copies of all items listed in Form SB08A accompany this information disclosure statement.

[]	Exception(s) to above:		
	[] Items in prior application from which an earlier filing date i claimed for this application, as identified in Section 4.		
	[] Cumulative patents or publications identified in Section 5.		
Section 7.	. Concise Explanation of Non-English Language Listed Information Items		
Section 7	A. Concise Explanation of Non-English Language Listed Information Items - EPO Search Report		
The SB08A:	relevance with respect to the following citations listed on Forr		
is submitte	ed on the basis of accompanying:		
	(check the appropriate item)		
[]	EPO search report that is in the English language,		
[]	EPO search report that is not in the English language and that i accompanied also by an English language version of the EPO search report,		
that issued	on the corresponding European patent application.		
Section 7B. Concise Explanation of Non-English Language Listed Information Items - English Language Version of EPO Search Report			
Section 8.	. Translation(s) of Non-English Language Documents		
[]	Submitted herewith is an English translation of the following foreig language patents, publications or information or of those portion		

of those patents, publications or information considered to be material:

(complete the following, if applicable)

- [] No English language translations of the foreign language parents, publications or information or parts thereof are readily available, except for those listed above.
- [] The following foreign language documents submitted are believed to be the equivalent or substantial equivalent of the English language documents identified below, which are also submitted herewith.

Section 9. Concise Explanation of English Language Listed Information Items (OPTIONAL)

Section 10. Identification of Person(s) Making this INFORMATION DISCLOSURE STATEMENT

The person making this statement is the agent/attorney who signs below on the basis of the information:

- [] supplied by the inventor(s)
- [] supplied by an individual associated with the filing and prosecution of this application (37 C.F.R. § 1.56(c)).
- [X] in the agent/attorney's file

Respectfully submitted,

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Express Mail: Date Deposited:

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number 09/842,484

Filing Date 04/25/2001

First Named Inventor Paul L. DeAngelis

Group Art Unit 1623

Examiner Name Michael C. Henry

Attorney Docket Number 4605.003

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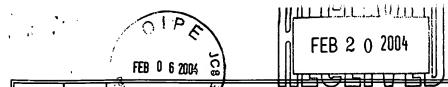
U. S. PATENT DOCUMENTS						
EXAM INIT.	Cite No. 1	<u>U.S. PATENT NUMBER</u> Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	4585754		Meisner et al.	04/29/1986	
	2	20030100534		Zoppetti et al.	05/29/2003	

FOREIGN PATENT DOCUMENTS Foreign Patent Document **EXAM** Cite Pages, Columns, Lines Lines, Where Relevant Date of Publication Name of Patentee or INIT. Applicant of Cited Document of Cited Document MM-DD-YYYY Passages or Relevant Figures Appear Kind Code5 Office 3 Number 4 Beckwith 05/10/1995 EP 00300035 Α 05/18/2000 WO 00/27437 Board of Regents of В the University of Oklahoma 01/11/2001 Petrucci et al. С WO 01/02597 04/23/2003 Zoppetti EP 01304338

U.S. and Foreign: ¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard St.3). ⁴ Form Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

EXAM Cite No. NON PATENT DOCUMENT		NON PATENT DOCUMENTS
		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	AA	"GENETIC MAPPING OF THE K1 AND K4 ANTIGENS (L) OF ESCHERICHIA COLI. NON-ALLELISM OF K(L) ANTIGENS WITH K ANTIGENS OF O8:K27(A), O8:K8 (L) AND O9:K57 (B)", Orskov et al., Acta Pathol Microbiol Scand B, 84:125-131 (1976).
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		of the item (book magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		
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		of the item (be	name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title book magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue ablisher, city and/or country where published
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